

**WHAT IS CLAIMED IS:**

1. A resin mortar composition for construction comprising:  
on the basis of solid content,
  - a) 10 parts by weight of a room temperature curable organic liquid  
5 phase resin;
  - b) 10 to 200 parts by weight of glass beads;
  - c) 10 to 400 parts by weight of glass powder; and
  - d) 0.1 to 50 parts by weight of glass fiber.
2. The resin mortar composition according to claim 1 further comprising e)  
10 0.1 to 20 parts by weight of a pigment or a color chip.
3. The resin mortar composition according to claim 1 further comprising f) 1  
to 100 parts by weight of a solvent.
4. The resin mortar composition according to claim 1, wherein the a) room  
temperature curable organic liquid phase resin is selected from the group  
15 consisting of an epoxy-based resin, an acryl-based resin, an urethane-based  
resin, an alkyd-based resin, a polyester-based resin and a polyvinylchloride-  
based resin.
5. The resin mortar composition according to claim 1, wherein the b) glass  
beads have particle sizes of 200 meshes to 3 mm.
- 20 6. The resin mortar composition according to claim 1, wherein the c) glass  
powder has particle size of 10  $\mu\text{m}$  to 1 mm.
7. The resin mortar composition according to claim 1, wherein the d) glass  
fiber is chopped fiber that is prepared by cutting glass long fiber of E-glass  
composition to a length of 2 to 12 mm, or a milled fiber that is prepared by  
25 milling to a length of 100 to 300  $\mu\text{m}$ .

8. A method for constructing a resin mortar on a floor, which comprises the steps of:

a) coating a resin mortar comprising:

on the basis of solid content,

5 i) 10 parts by weight of a room temperature curable organic liquid phase resin;

ii) 10 to 200 parts by weight of glass beads;

iii) 10 to 400 parts by weight of glass powder; and

10 iv) 0.1 to 50 parts by weight of glass fiber  
on a floor;

b) spraying glass beads on the floor that is coated with the resin mortar to remove bubbles produced in the coated resin mortar;  
and

c) curing the resin mortar floor from which bubbles are removed.

15 9. The method according to claim 8, wherein a primer coating is conducted on a floor before the step a).

10. The method according to claim 8, wherein the resin mortar of the step a) further comprises v) 0.1 to 20 parts by weight of a pigment or a color chip.

11. The method according to claim 8, wherein in the step b), glass beads are  
20 sprayed in an amount of 1 to 100 g/m<sup>2</sup> together with air having pressure of 1 to 10 kgf/cm<sup>2</sup>.